Cytometer Performance Report

Cytometer:	FACSCantoII	User:	Administrator
Cytometer Name:	FACSCantoII	Institution:	N/A
Serial Number:	V33896201821	Software:	BD FACSDiva 8.0.2
Input Device:	Carousel	Date:	06/09/2020 10:57 AM
Tube Loaded Manually:	Yes	Cytometer Baseline:	02/04/2020 09:45 AM
Cytometer Configuration:	Euroflow 3-laser, 8-color (4-2-2)	P/F:	Pass

Setup Beads

Bead Product:	CST Setup Beads	Part #:	910859
Lot ID:	80996	Expiration Date:	04/30/2020 (Expired)
Bead Lot Information:	Available		

Detector Settings

Laser	Detector	Parameter	Target Value	Actual Target Value	% Difference Target Value	Bright Bead % Robust CV	Mid Bead Median Channel	Mid Bead % Robust CV
Blue	FSC	FSC	125000	123152	-2	3.01	123139	2.98
Blue	F	SSC	125000	124201	-1	2.10	124857	2.08
Blue	E	FITC	15892	15326	-4	2.93	334	20.91
Blue	D	PE	29999	29054	-4	2.06	630	15.13
Blue	B	PerCP-Cy5-5	43732	43261	-2	3.74	1160	21.00
Blue	A	PE-Cy7	30845	30840	-1	6.30	584	42.41
Red	C	APC	46112	45457	-2	2.49	1602	12.00
Red	A	APC-Cy7	30458	30081	-2	2.40	794	11.88
Violet	B	V450	7918	7521	-6	4.25	432	13.07
Violet	A	V500	32171	30792	-5	4.13	723	10.47

Detector Settings (Continued)

Laser	Detector	Parameter	Dim Bead Median Channel	Dim Bead % Robust CV	PMTV	Δ PMTV	Qr	Br	P/F
Blue	FSC	FSC	16674	16.22	631	10	N/A	N/A	Pass
Blue	F	SSC	57070	1.48	571	12	N/A	N/A	Pass
Blue	E	FITC	61	65.51	548	5	0.0181	118	Pass
Blue	D	PE	132	51.01	554	6	0.1569	277	Pass
Blue	B	PerCP-Cy5-5	214	51.40	661	5	0.0085	58	Pass
Blue	A	PE-Cy7	108	103.39	704	6	0.0101	10	Pass
Red	C	APC	384	25.01	587	3	0.0252	162	Pass
Red	A	APC-Cy7	175	28.86	558	2	0.0057	1149	Pass
Violet	B	V450	66	56.16	460	2	0.0442	1486	Pass
Violet	A	V500	108	34.32	476	2	0.0236	907	Pass

Specifications

PMTV Delta from baseline:	50 (BD)
Violet Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Blue Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)
Red Laser Primary Channel Bright Bead %Robust CV:	6.00 (Recommended)

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Laser Settings

Laser	Power (mW)	Power Spec. (mW)	Current (mA)	Current Guidelines (mA)	Delay (Trigger on FSC)	Delay (Trigger on Fluorescence)	Area Scaling Factor
Violet	59.55	47.98 - 71.98	N/A	N/A	-32.77	-32.29	1.00
Blue	20.34	16.27 - 24.41	1.26	0.99 - 1.49	0.00	0.00	1.43
Red	17.25	13.60 - 20.40	N/A	N/A	29.64	30.18	1.18

Window Extension: 7.00
FSC Area Scaling Factor: 0.87

Threshold

Threshold (FSC): 9510

Fluidics

FACSFlow Pressure: 3.90 Sample Pressure: 3.60
Spec.: 3.80 - 4.00

Comments